

# INDIAN BUREAU OF MINES

## --:-- Inspection Report --:--

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	11ORI19029	Lease Area (Ha) :	107.24
Forest Area (Ha) :	87	Mine Code :	11ORI19029
Registration Number :	IBM/4376/2011	Name of lessee :	Tata Steel Limited
Address of lessee :	Bombay House,24 Homi Mody ,street Fort,, Mumbai	Phone of lessee :	022-66658282
Email of lessee :	Gm.office@tatasteel.com	Fax Number :	N/A
Village :	Kamarda	Taluka / Mandal :	Kaliapani
District :	Jajapur	Pincode :	400001
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2020-06-26	Date of Mining Lease Execution :	2020-06-26
Date of opening in the mine :	Nilsss		

<b>Nominated Owner Details</b>			
Name of the Nominated Owner :	Mr THACHAT VISWANATH NARENDRAN	Nominated Owner Address:	Bungalow No. 5, C Road, Northern Town, Jamshedpur
Nominated Owner Mobile :	6572424602	Nominated Owner Email :	Narendran@tatasteel.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2013-11-01
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	Priyadarsi Suvakant Padhi	Qualification of Mining Engineer :	B.E. In Mining
Address of Mining Engineer :	Kamarda Chromite Block, M/s Tata Steel Limited, Post-Kansa, Police Station- Kaliapani, Dist-Jajpur, Pin-755028, Odisha	Phone of Mining Engineer :	8093038829
Email of Mining Engineer :	Priyadarsisuvakanta.padhi@tatasteel.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2024-08-12		
<b>Geologist Details</b>			
Name of the Geologist :	Deepaka Kumar Acharya	Qualification of Geologist :	M. SC In Geology
Address of Geologist :	Kamarda Chromite Block, M/s Tata Steel Limited, Post-Kansa, Police Station- Kaliapani, Dist-Jajpur, Pin-755028, Odisha	Phone of Geologist :	8093029016
Email of Geologist :	Deepaka.acharya@tatasteel.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2024-10-16		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	Priyadarsi Suvakant Padhi	Qualification of Mine Manager :	B.E. In Mining

Address of Mine Manger :	Kamarda Chromite Block, M/s Tata Steel Limited, Post-Kansa, Police Station-Kaliapani, Dist-Jajpur, Pin-755028, Odisha	Phone of Mine Manger :	8093038829
Email of Mine Manger :	Priyadarsisuvakanta.padhi@tatasteel.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2024-08-12		
Mineral(s) granted in lease and proved for mining :	CHROMITE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	N/A
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Non Captive		

## Part-II : Other Information

### 2.1.1 : Inspection Details

Inspecting Officer :	VIKRAM DESHPANDE
Designation :	ACOM
Name of the Accompanying Official from Mine :	Priyadarsi Padhi
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	29/11/2025
Review year considered for MCDR Inspection :	2024-2025

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**2.2.1 : Exploration Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of Core Boreholes	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
3	Number of exploratory pits / trial pits	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Number of exploratory Trenches	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Lateral exploration status for the lease area - G1	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					

6	Lateral exploration status for the lease area-G2	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Lateral exploration status for the lease area-G3	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Lateral exploration status for the lease area-G4	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP  Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	111-1341860 211-578610	111-1195210 211-3824928	Nil	No Violation
Remark: NIL Remark File: NIL					

**2.3.1 : Development - Opencast Details**

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S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Location of development w.r.t. lease area	N2329253-N2329680 / E377721-E37848	N2329260-N2329667 / E377903-E378497	0	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	2401940	161423	The targeted quantity of OB fell short by 2240517.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	0.12	0.48	-0.360	No Violation
Remark: NIL Remark File: NIL					

#### 2.4.1 Exploitation - Opencast Mine Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under
.					

					Rule
1	Number of pits / Blocks proposed for production	2	1	Proposed Working in pit 1&2 could be carried out	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	300000	77340	222660.000	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	300000	77340	The saleable mineral quantity fell short by 222660.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Whether height of	Height-6m Width-10m Same in Ore & OB	Height-6m Width-10m Same in Ore & OB	0	No

	benches in Overburden & mineral suitable for method of mining proposed in mining plan				Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

#### 2.4.3 : Exploitation - Dump Working Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of dumps proposed for production	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

3	Recovery of salable/usable mineral from dump production (in Tonne)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Production from dump(s) during the year	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Quantity of mineral reject generation	Nil	Nil	Nil	No Violation
Remark: NIL Remark File: NIL					
6	Grade of mineral reject generation and threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Any analysis or beneficiation study proposed & carried out for mineral reject	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

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**2.5.1 : OB/Waste Dumps Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	0	00	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Number of dead dumps	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Number of dumps proposed for stabilished	3	1	Out of three dumps proposed for stabilization work was carried in only 1 dump	Rule 11(1)

Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Terracing & Plantation	Terracing & Plantation	0	No Violatio n
Remark: 1(Dump-C) Remark File: NIL					

### 2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio n under Rule
1	Status on part or full extraction of mineral from mined out area before starting backfilling	Part extraction proposed	Part extraction carried out	0	No Violatio n
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	8.258	4.604	The targeted backfilling fell short by 3.654 ha	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	0	0	0.000	No Violatio n
Remark: NIL Remark File: NIL					

4	Total area fully reclaimed & rehabilitated	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Locations of proposed reclamation & rehabilitated	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

### 2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	9.535 Ha & 15250	Nil & 470	The proposed plantation fell short by 3.654	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Rehabilitation by making water reservoir	0	0	0.000	No Violation
Remark: NIL					

Remark File: NIL					
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring (core zone & buffer zone) proposed	Environmental monitoring (core zone & buffer zone)	0	No Violation
Remark: NIL Remark File: NIL					

### 2.8.1 : Mineral Conservation Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed	Grade wise sorting proposed	0	No Violation
Remark: NIL Remark File: NIL					
2	Different grade of mineral sorted out at mines	Fines Below 40% Cr2O3	Fines Below 40% Cr2O3	0	No Violation

Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

### 2.9.1 : Environment Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate removal and utilization of topsoil	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	0	0	0.000	No Violation

Remark: NIL Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	15250 & 80 %	470 & 85%	The targeted plantation could not be completed	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out	0	No Violation
Remark: NIL Remark File: NIL					

### 2.10 : Annual Return Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Submission of Online Monthly and Annual returns in prescribed period or not	Submission of Online Monthly and Annual returns in prescribed period	Online Monthly and Annual returns submitted in prescribed period	0	No Violation

Remark: NIL

Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer-Pridarsi Suvakant Padhi Mining Geologist-Deepak Acharya	Mining Engineer-Pridarsi Suvakant Padhi Mining Geologist-Deepak Acharya	0	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and Correct returns to be submitted	Complete and Correct returns not submitted	1. The Work done under progressive mine closure plan during the year is shown as 0 whereas plantation and backfilling has been carried out. 2. The uploaded kml file does not tally with the data furnished.	Rule 45(7)
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	0	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and returns to be submitted within time	Notices and returns submitted within time	0	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Fines Below 40% Cr2O3-5438.21 Cost of production- 10349.00	Appears to be correct	0	No Violation
Remark: NIL Remark File: NIL					

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**2.11 : SDF Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Start Ratings accorded for mine during last 3 years	4	4	0.000	No Violation
Remark: NIL Remark File: NIL					

**Part-III : Other Reports****3.1.1 : Upload Other Reports**

S.N.	Reports File	Remark   File Description
1	NIL	Nil

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## Part-IV : Summary Details

### 4.1 : Summary of Violations

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Development - Opencast : Quantity of overburden generation in m <sup>3</sup>	2401940	161423	The targeted quantity of OB fell short by 2240517.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Exploitation - Opencast Mine : Number of pits / Blocks proposed for production	2	1	Proposed Working in pit 1&2 could be carried out	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	300000	77340	222660.000	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Exploitation - Opencast Mine : Recovery of salable/usable mineral quantity from ROM production in T)	300000	77340	The saleable mineral quantity fell short by 222660.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
5	OB / Waste Dumps	3	1	Out of three dumps proposed for stabilization	Rule

	details : Number of dumps proposed for stabilised			work was carried in only 1 dump	11(1)
Remark: NIL Remark File: NIL					
6	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	8.258	4.604	The targeted backfilling fell short by 3.654 ha	Rule 11(1)
Remark: NIL Remark File: NIL					
7	Progressive Mine Closure Plan : Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	9.535 Ha & 15250	Nil & 470	The proposed plantation fell short by 3.654	Rule 11(1)
Remark: NIL Remark File: NIL					
8	Environment : Plantation & Survival rate	15250 & 80 %	470 & 85%	The targeted plantation could not be completed	Rule 11(1)
Remark: NIL Remark File: NIL					
9	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and Correct returns to be submitted	Complete and Correct returns not submitted	1. The Work done under progressive mine closure plan during the year is shown as 0 whereas plantation and backfilling has been carried out. 2. The uploaded kml file does not tally with the data furnished.	Rule 45(7)
Remark: NIL Remark File: NIL					
10	Plans and Section	Plans and Sections to be maintained	Not Maintained	The Surface Plan, Surface Geological Plans and section were not found to be maintained during	Rule 31(4)

inspection

Remark: NIL  
Remark File: NIL

Final Submitted

Esigned by:  VIKRAM DESHPANDE  
Date: 07/12/2025 12:37:26 AM